

 $= \frac{(-1)^{2} \times^{2}}{(2i+3)(2i+2)} - \frac{\times^{3}}{3!}$ (张3] +1= ((-1) x2) T2 $\frac{\chi^7}{1} = \left(\frac{\chi^2}{7\chi_6}\right) \frac{\chi^5}{51}$ X1 7!

 $f(x) = \tan(x) - 30x$ Start Xo= 1 3 iteration F1(xn) = f(xn) Xw-Xy+1 P'(x) = Sec2x - 30 $x_{n+1} = x_n - \frac{f(x_n)}{x_n}$ F'(xx) - 3ec3x = - Coe2x tan(1) - 30(1) x / + (x) P'(x) | 9 = cosy1) アルナーマルー キ(スル) = 1 _ -28.44 - 291.45 one in a lead of the co. (x) 3 Wips-15 in 1. (D) in 1). P'(x) is we iposis

68 x3 = -4 => x3 = -4 = 0105

 $4 \times 2 - 8 \times 3 = 1$

4x2-8(0,05)=1

-0,75

 $\chi_{r} = 1 + 2 \times 2 = 0.3$

-X1 + X1 - 4 X3 = 0

W1=1.25

The system
$$Ax = b$$
 using the following $a = b$ shapes

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21413+423=0

 $-2(-4)+4_{13}=0$

8+423

1423 = -87

AX= 6 UX = 2L(UX)= 6 L L' = 30] = ; es an= [an=0] (a13=0) 2011 + a21 = 6 - 2a12 + a22+0 = 1 -2+a21=0 0 + az=1 [azz=1]

 $\frac{11}{2} + \frac{3}{2} = 0$

+(3x2) + a31 = 0

[3] =0

 $-3a_{12} + \frac{3}{2}a_{22} + a_{32} = 0$ $-3(0) + \frac{3}{2}(1) + a_{32} = 0$ $\frac{3}{2} + a_{32} = 0$ $3 + a_{32} = 0$ $-2a_{13} + a_{23} = 0$

$$\frac{1}{2} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 2 & 1 & 3 \\ 0 & -\frac{3}{2} & 0 \end{bmatrix}$$

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$$\frac{1$$

4X2-1-4